This listing of claims will replace all prior versions of claims in the application.

Claim 1. (currently amended) A coated substrate comprising:

- a) an organic underlayer composition coating layer on a substrate, the underlayer composition comprising (i) a first resin that comprises optionally substituted phenyl groups, optionally substituted naphthyl groups, optionally substituted adamantyl groups, optionally substituted norbornyl groups, or optionally substituted isobornyl groups and (ii) a second resin that is distinct from the first resin and comprises one or more chromophore groups;
- b) over the underlayer composition coating layer, a photoresist composition coating layer for imaging at less than 200 nm, the photoresist comprising a photoactive component and an Si-containing component.
- Claim 2. (original) The coated substrate of claim 1 wherein the underlayer composition comprises an integral component that comprises both i) aromatic and/or alicyclic groups and ii) chromophore groups.

Claim 3. (cancelled)

- Claim 4. (previously presented) The coated substrate of claim 1 wherein the chromophore groups comprise anthracene groups.
- Claim 5. (previously presented) The coated substrate of claim 1 wherein the first resin comprises optionally substituted norbornyl groups or optionally substituted isobornyl groups.

Claims 6-21. (cancelled)

Claim 22. (currently amended) A method for forming a photoresist relief image comprising:

- a) applying an organic underlayer composition coating layer on a substrate, the underlayer composition comprising (i) a first resin that comprises optionally substituted phenyl groups, optionally substituted naphthyl groups, optionally substituted adamantyl groups, optionally substituted norbornyl groups, or optionally substituted isobornyl groups and (ii) a second resin that is distinct from the first resin and comprises one or more chromophore groups;
- b) applying a photoresist composition coating layer over the underlayer composition, the photoresist composition comprising a photoactive component and an Si-containing component;
- c) exposing the photoresist composition coating layer to radiation having a wavelength of less than about 200 nm.
- Claim 23. (original) The method of claim 22 wherein the photoresist layer is exposed to radiation having a wavelength of less than 170 nm.
- Claim 24. (original) The method of claim 22 wherein the photoresist layer is exposed to radiation having a wavelength of about 193 nm.

Claims 25-51. (cancelled)

Claim 52. (currently amended) An article of manufacture comprising a substrate having coated thereon a multilayer photoresist system,

the system comprising:

a) an organic underlayer composition coating layer on a substrate, the underlayer composition comprising (i) a first resin that comprises optionally substituted phenyl groups, optionally substituted adamantyl groups, optionally

substituted norbornyl groups, or optionally substituted isobornyl groups and (ii) a second resin that is distinct from the first resin and comprises one or more chromophore groups;

b) over the underlayer composition coating layer, a photoresist composition coating layer for short wavelength imaging, the photoresist comprising a photoactive component and an Si-containing component.

Claims 53-61. (cancelled)

- Claim 62. (previously presented) The coated substrate of claim 1 wherein the underlayer composition comprises a thermal acid generator compound.
- Claim 63. (previously presented) The coated substrate of claim 1 wherein the photoresist composition comprises a resin with Si groups.
- Claim 64. (previously presented) The coated substrate of claim 1 wherein the photoresist composition resin comprises alicyclic groups.
- Claim 65. (previously presented) The coated substrate of claim 1 wherein the photoresist composition resin comprises photoacid-labile groups.
- Claim 66. (previously presented) The method of claim 22 wherein the underlayer composition comprises a thermal acid generator compound.
- Claim 67. (previously presented) The method of claim 22 wherein the underlayer composition is crosslinked.
- Claim 68. (previously presented) The method of claim 22 wherein the photoresist composition comprises a resin with Si groups.

- Claim 69. (previously presented) The method of claim 22 wherein the photoresist composition resin comprises alicyclic groups.
- Claim 70. (previously presented) The method of claim 22 wherein the photoresist composition resin comprises photoacid-labile groups.
- Claim 71. (currently amended) A method for forming a photoresist relief image comprising:
- a) applying an organic underlayer composition coating layer on a substrate, the underlayer composition comprising (i) a first resin that comprises optionally substituted phenyl groups, optionally substituted naphthyl groups, optionally substituted adamantyl groups, optionally substituted norbornyl groups, or optionally substituted isobornyl groups and (ii) a second resin that is distinct from the first resin and comprises one or more chromophore groups;
- b) applying a photoresist composition coating layer over the underlayer composition, the photoresist composition comprising a photoactive component and an Si-containing component;
- c) exposing the photoresist composition coating layer to radiation having a wavelength of less than about 170 nm.

Claim 72. (cancelled)

- Claim 73. (previously presented) The substrate of claim 1 wherein the first resin comprises optionally substituted naphthyl groups.
- Claim 74. (previously presented) The substrate of claim 1 wherein the first resin comprises optionally substituted adamantyl groups, optionally substituted norbornyl groups, or optionally substituted isobornyl groups.